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RAW SEQUENCE LISTING   DATE: 03/07/2002
PATENT APPLICATION: US/09/957,483   TIME: 13:55:25

Input Set : D:\30062-20078.txt
Output Set: N:\CRF3\03072002\I957483.raw

```
 4 <110> APPLICANT: Arslanian, Robert
 5        Ashley, Gary
 6        Frykman, Scott
 7        Julien, Bryan
 8        Katz, Leonard
 9        Khosla, Chaitan
10        Lau, Janice
11        Licari, Peter
12        Regentin, Rika
13        Santi, Daniel
14        Tang, Li
16 <120> TITLE OF INVENTION: PRODUCTION OF POLYKETIDES
19 <130> FILE REFERENCE: 30062-20078.00
21 <140> CURRENT APPLICATION NUMBER: US 09/957,483
22 <141> CURRENT FILING DATE: 2001-09-19
24 <150> PRIOR APPLICATION NUMBER: PCT/US 01/13793
25 <151> PRIOR FILING DATE: 2001-04-26
27 <150> PRIOR APPLICATION NUMBER: US 09/560,367
28 <151> PRIOR FILING DATE: 2000-04-28
30 <150> PRIOR APPLICATION NUMBER: US 09/825,856
31 <151> PRIOR FILING DATE: 2001-04-03
33 <150> PRIOR APPLICATION NUMBER: US 60/232,696
34 <151> PRIOR FILING DATE: 2000-09-14
36 <150> PRIOR APPLICATION NUMBER: US 60/257,517
37 <151> PRIOR FILING DATE: 2000-12-21
39 <150> PRIOR APPLICATION NUMBER: US 60/269,020
40 <151> PRIOR FILING DATE: 2001-02-13
42 <160> NUMBER OF SEQ ID NOS: 62
44 <170> SOFTWARE: FastSEQ for Windows Version 4.0
46 <210> SEQ ID NO: 1
47 <211> LENGTH: 30
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Primer Seq1
54 <400> SEQUENCE: 1
55 agcggataac aatttcacac aggaaacagc                                    30
57 <210> SEQ ID NO: 2
58 <211> LENGTH: 29
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Primer Mxpil1
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65 <400> SEQUENCE: 2
66 ttaattaaga gaaggttgca acggggggc                                    29
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 848
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Sequence of the pilA promoter
76 <400> SEQUENCE: 3
77 cgacgcaggt gaagctgctt cgtgtgctcc aggagcggaa ggtgaagccg gtcggcagcg    60
78 ccgcggagat tcccttccag gcgcgtgtca tcgcggcaac gaaccggcgg ctcgaagccg   120
79 aagtaaaggc cggacgcttt cgtgaggacc tcttctaccg gctcaacgtc atcacgttgg   180
80 agctgcctcc actgcgcgag cgttccggcg acgtgtcgtt gctggcgaac tacttcctgt   240
81 ccagactgtc ggaggagttg gggcgacccg gtctgcgttt ctcccccgag acactggggc   300
82 tattggagcg ctatcccttc ccaggcaacg tgcggcagct gcagaacatg gtggagcggg   360
83 ccgcgaccct gtcggattca gacctcctgg ggccctccac gcttccaccc gcagtgcggg   420
84 gcgatacaga ccccgccgtg cgtcccgtgg agggcagtga gccagggctg gtggcgggct   480
85 tcaacctgga gcggcatctc gacgacagcg agcggcgcta tctcgtcgcg gcgatgaagc   540
86 aggccggggg cgtgaagacc cgtgctgcgg agttgctggg cctttcgttc cgttcattcc   600
87 gctaccggtt ggccaagcat gggctgacgg atgacttgga gcccgggagc gcttcggatg   660
88 cgtaggctga tcgacagtta tcgtcagcgt cactgccgaa ttttgtcagc cctggaccca   720
89 tcctcgccga ggggattgtt ccaagccttg agaattgggg ggcttggagt gcgcacctgg   780
90 gttggcatgc gtagtgctaa tcccatccgc gggcgcagtg cccccgttg caaccttctc    840
91 ttaattaa                                                           848
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 31
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Primer 111-44.1
101 <400> SEQUENCE: 4
102 aaaagcttcg gggcacctcc tggctgtcgg c                                 31
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 34
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Primer 111-44.4
112 <400> SEQUENCE: 5
113 ggttaattaa tcaccctcct cccaccccgg gcat                              34
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 33
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Primer 90-66.1
123 <400> SEQUENCE: 6
124 gcgggaagct ttcacggcgc aggccctcgt ggg                               33
126 <210> SEQ ID NO: 7
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127 <211> LENGTH: 31
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Insert 90-67
134 <400> SEQUENCE: 7
135 gcggtacctt caacaggcag gccgtctcat g                        31
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 32
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Insert 111-44.3
145 <400> SEQUENCE: 8
146 aaaagcttag gcggtattgc tttcgttgca ct                       32
148 <210> SEQ ID NO: 9
149 <211> LENGTH: 34
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Insert 111-44.5
156 <400> SEQUENCE: 9
157 ggttaattaa ggtcagcaca cggtccgtgt gcat                     34
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 26
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer 111-44.8
167 <400> SEQUENCE: 10
168 aaagatctct cccgatgcgg gaaggc                              26
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 31
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Primer 111-44.9
178 <400> SEQUENCE: 11
179 ggggatccaa tggaagggga tgtccgcgga a                        31
181 <210> SEQ ID NO: 12
182 <211> LENGTH: 34
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Insert 111-44.6
189 <400> SEQUENCE: 12
190 ggttaattaa catcgcgcta tcagcagcgc tgag                     34
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 34
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194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Insert 111-44.7
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201 ggttaattaa tcctcagcgg ctgacccgct cgcg                        34
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 31
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Primer 90-103
211 <400> SEQUENCE: 14
212 aaaaaatgca tctacctcgc tcgtggcggt t                           31
214 <210> SEQ ID NO: 15
215 <211> LENGTH: 32
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Primer 90-107.1
222 <400> SEQUENCE: 15
223 ccccctctag aataggtcgg cagcggtacc cg                          32
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 34
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Primer 90-105
233 <400> SEQUENCE: 16
234 tttttatgca tgcggcagtt tgaacggaga tgct                        34
236 <210> SEQ ID NO: 17
237 <211> LENGTH: 32
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer 90-106
244 <400> SEQUENCE: 17
245 cccccgaatt ctcccggaag gcacacggag ac                          32
247 <210> SEQ ID NO: 18
248 <211> LENGTH: 26
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Primer TL3
255 <400> SEQUENCE: 18
256 atgaattcat gatggcccga_gcagcg                                 26
258 <210> SEQ ID NO: 19
259 <211> LENGTH: 29
260 <212> TYPE: DNA
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        Input Set : D:\30062-20078.txt
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261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Primer TL4
266 <400> SEQUENCE: 19
267 atctgcagcc agtaccgctg ccgctgcca   29
269 <210> SEQ ID NO: 20
270 <211> LENGTH: 30
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Primer TL5
277 <400> SEQUENCE: 20
278 gctctagaac ccggaactgg cgtggcctgt   30
280 <210> SEQ ID NO: 21
281 <211> LENGTH: 29
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Primer TL6
288 <400> SEQUENCE: 21
289 gcagatctac cgcgtgagga cacggcctt   29
291 <210> SEQ ID NO: 22
292 <211> LENGTH: 50
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Primer TL23
299 <400> SEQUENCE: 22
300 ggcgccggcc aagagcgccg cgccggtcgg cgggccagcc ggggacgggt   50
302 <210> SEQ ID NO: 23
303 <211> LENGTH: 58
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Primer TL24
310 <400> SEQUENCE: 23
311 ctagacccgt ccccggctgg cccgccgacc ggcgcggcgc tcttggccgg cgcctgca   58
313 <210> SEQ ID NO: 24
314 <211> LENGTH: 29
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Primer TL33
321 <400> SEQUENCE: 24
322 ggatgcatgc gccggccgaa gggctcgga   29
324 <210> SEQ ID NO: 25
325 <211> LENGTH: 30
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY   DATE: 03/07/2002
PATENT APPLICATION: **US/09/957,483**   TIME: 13:55:26

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